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Commands of Interface Configuration

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Chapter 1   Commands of Interface Configuration

1.1 description

[Function]

Modify the description of MAC interface or IP interface.

[Command Format]

[no] description *WORD*

[Parameter]

WORD: specify MAC interface description, 255 characters for length at most, the characters should not be separated by space.

[Command Modes]

Physical ports configuration mode; IP interface mode

[Executing Command Instruction]

Add physical port and IP interface description.

[Explanation of command execution echo]

Set description successfully.

Set description unsuccessfully

The description is too long.

[Example]

Set physical port description information:

Raisecom(config-port)# **description** *this-is-a-interface*

[Related commands]

Commands	Description
show interface port detail	Show the detail information of remote port.

1.2 duplex

[Function]

Use **duplex** command to set duplex mode of the physical ports.

[Command Format]

duplex {*full* | *half*} [*schedule-list list-no*]

[Parameter]

   full: full duplex;

   half: half-duplex;

   schedule-list: starting time, ending time and time interval of dispatching task;

   list-no: list range from <0-99>.

[Default]

   Duplex mode for electrical interface and 1000M optical interface is Auto-negotiation and full duplex for 100M optical interface.

[Command format]

   Ethernet physical interface configuration mode and physical interface range configuration mode; Privileged user.

[Executing Command Instruction]

   Only the user with priority 15 can use this command. Different type of port can configure different type of duplex mode. 100M/1000M optical interface should not configure half-duplex; duplex mode configuration is unavailable if sub-card does not exist.

[Explanation of command execution echo]

   Set successfully

   Port X set unsuccessfully

   Port x only supports 100M/FD!

   Port x only supports 1000M/FD or auto-negotiation!

   Port x is unavailable!

[Example]

   Configure the Ethernet port 4 as half-duplex:

   Raisecom(config-port)# **duplex** *half*

[Related commands]

Commands	Description
show interface port	Show the state of particular port or all the ports.

1.3 shutdown

[Function]

   Shutdown the physical port, use **no** command to open the port.

[Command format]

shutdown [*schedule-list list-no*]

no shutdown [*schedule-list list-no*]

[Parameter]

schedule-list: set the starting time, ending time and time period of schedule list.

list-no: schedule list <0-99>.

[Default]

no shutdown

[Command Modes]

Ethernet physical interface/range configuration mode; privileged user

[Executing Command Instruction]

Only the user with priority 15 can use this command. Open/shutdown port will fail when sub-card does not exist.

[Explanation of command execution echo]

Set successfully

Set unsuccessfully

Port x is unavailable!

[Example]

Shutdown physical port 5:

Raisecom(config-port)# **shutdown**

Open physical port 5:

Raisecom(config-port)# **no shutdown**

[Related commands]

Commands	Description
show interface port	Show the state of some or all interface ports.

1.4 speed

[Function]

Use this command to set rate of physical port.

[Command format]

speed *{ auto | 10 | 100 | 1000 } [schedule-list list-no]*

[Parameter]

auto: speed auto-negotiation;

10: speed is 10Mbps;

100: speed is 100Mbps;

1000: the speed the 1000Mbps;

schedule-list: set the starting time, ending time and time period of schedule list;

list-no: schedule list <0-99>.

[Default]

Electrical interface and 1000M optical interface speed is auto-negotiation and 100M optical interface is speed at 100M by default.

[Command Modes]

Ethernet physical interface/range configuration mode; privileged user

[Executing Command Instruction]

Only the user with priority 15 can use this command. Different type of port can configure different speed. 100M electrical interface should not configure 1000M speed; 100M optical interface can only configure 100M speed; 1000M optical interface can configure 1000M or auto-negotiation; relevant configuration is unavailable when sub-card does not exist.

[Explanation of command execution echo]

Set successfully

Set unsuccessfully

Port x only supports 100M/FD!

Port x only supports 1000M/FD or auto-negotiation!

Port x does not support 1000M!

Port x is unavailable!

[Example]

Set physical port 4 speed at 10Mbps:

Raisecom(config-port)# **speed** *10*

[Related commands]

Commands	Description
show interface port	Show the state of some or all interface ports.